

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph 8 as follows in marked-up form:

Embodiments of the present invention will now be described by way of example and with reference to the accompanying drawings in which:

Figure 1 is a schematic perspective view of a sensor according to one embodiment of the present invention showing internal detail;

Figure 2 is a plan view of the sensor of figure 1, with the top cover removed;

Figure 3 is a cross-sectional side view taken on line ~~A-A~~ 3-3 of Fig. 2; and

Figure 4 is a schematic plan view of a sensor having a folded optical path, with the top cover removed.

Please amend paragraph 21 as follows in marked-up form:

The housing of sensor ~~1~~ 3 may be made to conform to ~~an~~ an industry standard configuration in terms of external dimensions and positioning of a plurality of electrical leads 20, not all of which are shown in the drawings. Preferably, the overall outside casing diameter is approximately 2 cm, and the casing height is approximately 2 cm. Preferably, the diffusion window 17 and encapsulant layer 21 each have a minimum thickness of 3 mm to meet safety regulations and are formed from injection moulded or machined plastics material, or metallic parts, as required.

Please amend paragraph 33 as follows in marked-up form:

The gas permeable window ~~46~~ 17 could also be formed from other materials, such as a gauze screen. The gas permeable window ~~46~~ 17 need not be disc shaped, but could comprise a series of discrete openings in the top of the housing or be annular in shape.

AMENDMENTS TO THE DRAWINGS

In Fig. 2, please change reference cross-section line A-A to reference line 3-3 to reflect that the cross-section line represents the cross-section shown in Fig. 3 as indicated on the attached corrected drawing.